

GIS Mapping: Help us Protect Communities from Potential Sea Level Rise and Coastal Storm Hazards!



Project Title	GIS Mapping: Help us Protect Communities from Potential Sea Level Rise and Coastal Storm Hazards!
Project Summary	Research, compile, and assemble an up-to-date GIS dataset of police and fire station locations in coastal California to support coastal hazards research.
Country	United States
Agency	Geological Survey
DoS Office	N/A
Post	N/A
Section	N/A
Number of Interns	1

Project Description

The U.S. Geological Survey (USGS), Western Geographic Science Center developed a web application called Hazard Exposure Reporting and Analytics (HERA), www.usgs.gov/apps/hera. This application includes interactive maps and graphs that represent the potential exposure of coastal communities to sea level rise and coastal storm hazards. The application is meant to provide emergency managers and the general public with more information for any future risk management decisions. The e-intern will be developing a new dataset that will be integrated into this web application to represent all of the police and fire stations in California coastal counties. Police and fire station datasets are often publicly available but not in a geospatial format, and further work must go into researching the most current data, verifying these locations using Google Maps, and geocoding any additional stations that are not in the publicly available GIS data. The e-intern will also have an opportunity to create USGS metadata for the final dataset.

Desired Skills Interests

Additional Information

The internship is with the U.S. Geological Survey's Western Geographic Science Center. The e-intern should have excellent communication and writing skills as well a strong knowledge of Geographic Information Systems (GIS). The ideal intern is either a geographer or working towards a GIS Certificate.

Language Requirements

None